



PLENARY LECTURES

Theory and applications of aggregation functions.

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FT - Auditorium

Abstract.

The process of combining several numerical values into a single value that somehow represents all of them is called aggregation and the numerical function that carries out this process is called the aggregation function. In the context of fuzzy logic, aggregation functions are always increasing and preserve boundaries, and play an important role in fuzzy logic applications. In this talk we will present theoretical and practical aspects of aggregation functions in computer science, such as fuzzy formal languages, data classification and digital image processing.